



SEQUENCE LISTING

<110> Fritig, Bernard
Toquin, Valerie
Geoffroy, Pierrette
Legrand, Michel
Kauffmann, Serge

<120> INDUCIBLE COMTII PROMOTER, CHIMERA GENE
CONTAINING SAME AND TRANSFORMED PLANTS

<130> A34638-PCT-USA

<140> US 09/937,204

<141> 2000-03-22

<150> PCT/FR99/03700

<151> 1999-03-22

<150> PCT/FR99/07646

<151> 1999-06-11

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Arg Asn Cys Thr Tyr Ala Met Gln Leu Leu Ser Ser Ser Val Leu Pro
20 25 30

ttt gtg ttg cat tca aca att caa ttg gaa gtt ttt gag ata tta gcc 144
Phe Val Leu His Ser Thr Ile Gln Leu Glu Val Phe Glu Ile Leu Ala
35 40 45

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Lys Ser Asn Asp Thr Lys Leu Ser Ala Ser Gln Ile Val Ser Gln Ile
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Pro Asn Cys Thr Lys Pro Glu Ala Pro Thr Met Leu Asn Arg Met Leu
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35 40 45	
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Thr Asp Ser Gly Tyr Ser Met Leu Thr Ala Lys Ala Leu Pro Thr Thr	
50 55 60	
gcg cag tac aag ctc atg tgc gcg tcc acg gca tgc aac acc atg atc	240
Ala Gln Tyr Lys Leu Met Cys Ala Ser Thr Ala Cys Asn Thr Met Ile	
65 70 75 80	
aag aag atc gtg acg ctg aac ccg ccc aac tgc gac ctg acg gtg ccc	288
Lys Lys Ile Val Thr Leu Asn Pro Pro Asn Cys Asp Leu Thr Val Pro	
85 90 95	
acg agc ggc ctg gtg ctc aac gtg tac tcg tac gcg aac ggc ttc tcg	336
Thr Ser Gly Leu Val Leu Asn Val Tyr Ser Tyr Ala Asn Gly Phe Ser	
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gac aag tgc tcg tcg ctg	354
Asp Lys Cys Ser Ser Leu	
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 <213> Phytophthora megasperma

<220>
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agc atc ctg tcg gac gcg tcg ttc aac aag tgc tct acg gat tcg ggc	96
Ser Ile Leu Ser Asp Ala Ser Phe Asn Lys Cys Ser Thr Asp Ser Gly	
20 25 30	
tac tcc atg ctg acg gcc aag gcc ctc ccc acc acg gcg cag tac aag	144
Tyr Ser Met Leu Thr Ala Lys Ala Leu Pro Thr Thr Ala Gln Tyr Lys	
35 40 45	
ctc atg tgc gcg tcc acg gca tgc aac acc atg atc aag aag atc gtg	192
Leu Met Cys Ala Ser Thr Ala Cys Asn Thr Met Ile Lys Lys Ile Val	
50 55 60	
acg ctg aac ccg ccc aac tgc gac ctg acg gtg ccc acg agc ggc ctg	240
Thr Leu Asn Pro Pro Asn Cys Asp Leu Thr Val Pro Thr Ser Gly Leu	
65 70 75 80	
gtg ctc aac gtg tac tcg tac gcg aac ggc ttc tcg gac aag tgc tcg	288
Val Leu Asn Val Tyr Ser Tyr Ala Asn Gly Phe Ser Asp Lys Cys Ser	
85 90 95	

tcg ctg
Ser Leu

294

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<212> DNA
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<220>
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<223> COMTII promoter

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<223> Synthetic construct

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cttgttttca cattagaaat caaaataaaa cacaagcttt ttgtatttat tttaacacaa 240
gctaattata tgtttatatg ctggttaggt gaagtaaagc atgttatatg aggaaagtac 300
gaagaaaatg tgccaattgt cgtgtacagc aaagcagcca gcacaagcaa attcgcactt 360
gataagtggc taagtccact ttctagtggg cctagtgggt cactaacttt taccaaaaag 420
gcaataattht gcaattcaaa aagaaaaaag gaaaaaagaa aactagacag actttaacac 480
accaactccc acaggaagca acaatgcaac tcacaaaagg aaaccgagtt tttccgcgac 540
ggatctagaa tttgggttca ttctttacgc tttttcgtat taaactcatt atatttgat 600
aattatgggt ttatattttt tatttattgt aatttttgta aaattttata tataagtgt 660
tactccacgt ctccggatag tacattagcc tctagggttc ttaatactct tggttaaattg 720
tccaggctcc aaacgcatgt tcgtttcaat tttaacggat gtttccgaac aactccaaat 780
gttcaatgtt aggtgtgttt ggtgttaagc ttccgtccta gggttaataga atagataatt 840
gttgtttctt atatagtttt gaacaatcgt cgccataaac taatttttag gatggaagct 900
aatttttagg atggagtaca gcctaagggt aaaaataaac tataaaaaat atccataaaa 960
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aattatgaca attcttaacc aaagtcacaa ctaacactta taaaaagcac taactcaact 1200
gtacatgatt gtgaagccta acaaaaacac tctaaaaggc ctctagagga tccccgggt 1260
acc atg aac ttc acc gct ctg ctc gct gcc gtc gcc gcc gcc ttg gtc 1308
Met Asn Phe Thr Ala Leu Leu Ala Ala Val Ala Ala Ala Leu Val
1 5 10 15

gga tct gcc aac gcc acc gcg tgc acc gcc acc cag caa acc gct gcg 1356
Gly Ser Ala Asn Ala Thr Ala Cys Thr Ala Thr Gln Gln Thr Ala Ala
20 25 30

tac aaa aca ctc gtg agc atc ctg tcg gac gcg tcg ttc aac aag tgc 1404
Tyr Lys Thr Leu Val Ser Ile Leu Ser Asp Ala Ser Phe Asn Lys Cys
35 40 45

tct acg gat tcg ggc tac tcc atg ctg acg gcc aag gcc ctc ccc acc 1452

Ser	Thr	Asp	Ser	Gly	Tyr	Ser	Met	Leu	Thr	Ala	Lys	Ala	Leu	Pro	Thr	
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Thr	Ala	Gln	Tyr	Lys	Leu	Met	Cys	Ala	Ser	Thr	Ala	Cys	Asn	Thr	Met	
	65					70				75						
atc	aaa	aaa	atc	gtg	acg	ctg	aac	ccg	ccc	aac	tgc	aac	ctg	acg	gtg	1548
Ile	Lys	Lys	Ile	Val	Thr	Leu	Asn	Pro	Pro	Asn	Cys	Asn	Leu	Thr	Val	
	80				85				90					95		
ccc	acg	agc	ggc	ctg	gtg	ctc	aac	gtg	tac	tcg	tac	cca	aac	ggc	ttc	1596
Pro	Thr	Ser	Gly	Leu	Val	Leu	Asn	Val	Tyr	Ser	Tyr	Pro	Asn	Gly	Phe	
			100					105						110		
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<210> 16
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<400> 17	
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 <210> 19
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 <210> 20
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 <210> 21
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 <400> 21
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 <223> Synthetic Oligonucleotide PS11

 <400> 22
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 <210> 23
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 <212> DNA
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<223> Synthetic Oligonucleotide PS12

<400> 23

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35

<210> 24

<211> 32

<212> DNA

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32

<210> 25

<211> 36

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<223> Synthetic Oligonucleotide PAS3

<400> 25

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36

<210> 26

<211> 30

<212> DNA

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<220>

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30